IN THE CLAIMS:

Please rewrite claims 1 and add claims 4 - 9 as follows:

1. (Amended) A disk device comprising:

a disk drive including a head for reading data written to a disk and a processing circuit for processing the data; and

a host computer connected to said disk drive through an interface;

wherein the processing circuit of said disk drive includes a low-level error-correction code unit for performing error correction of the data written to a physical address corresponding to a single sector of the disk; and

the host computer includes a high level error correction code unit for performing error correction of the read data supplied through the interface and read from more than one sector of the disk.

4. (New) A storage device comprising:

a low-level error correction unit within a drive configured to detect, and when necessary, correct errors on the fly in data written to a single sector of a storage area of a disk;

a read mechanism coupled to the low-level error correction unit; and

a host coupled to the drive comprising a high-level error correction code unit configured to detect, and when necessary, correct errors on the fly in data stored in more than one sector of the storage area of the disk.

5. (New) The storage device of claim 4 wherein the low-level error correction unit detects and, when necessary, corrects an error in the data storage area that corresponds to a physical address.

6. (New) The storage device of claim 5, wherein the high-level error correction code unit detects and, when necessary, corrects an error in the data storage area that corresponds to a plurality of physical addresses.

- 2 -